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Docket No.: 0020-5477PUS1  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Satoshi GOISHIHARA et al.

Application No.: 10/574,008

Confirmation No.: 4342

Filed: March 29, 2006

Art Unit: N/A

For: PACKAGE FILM AND ELECTRODE  
MATERIAL PACKAGE, AND STAND FOR  
THE PACKAGE

Examiner: Not Yet Assigned

**LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Subsequent to the filing of the above-identified application on March 29, 2006, attached hereto is an English translation of the International Preliminary Report on Patentability (Form PCT/IB/338 and 373) and of the Written Opinion of the International Searching Authority (Form PCT/ISA/237) that should be made of record in the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or to credit any overpayment to Deposit Account No. 02-2448 for any

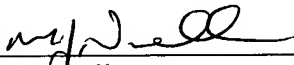
Application No.: 10/574,008

Docket No.: 0020-5477PUS1

additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Dated: August 4, 2006

Respectfully submitted,

By   
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Attachment(s)



## PATENT COOPERATION TREATY

PCT/JP2004/014252

From the INTERNATIONAL BUREAU

**PCT**

NOTIFICATION OF TRANSMITTAL  
OF COPIES OF TRANSLATION  
OF THE INTERNATIONAL PRELIMINARY REPORT  
ON PATENTABILITY  
(CHAPTER I OR CHAPTER II  
OF THE PATENT COOPERATION TREATY)  
(PCT Rules 44bis.3(c) and 72.2)

To:

KAWAMIYA, Osamu  
Aoyama & Partners  
IMP Building  
3-7, Shiromi 1-chome  
Chuo-ku, Osaka-shi  
Osaka 540-0001  
JAPON

Date of mailing (day/month/year)  
29 June 2006 (29.06.2006)

Applicant's or agent's file reference  
664685

**IMPORTANT NOTIFICATION**

International application No.  
PCT/JP2004/014252

International filing date (day/month/year)  
29 September 2004 (29.09.2004)

Applicant

DAI NIPPON PRINTING CO., LTD. et al

**1. Transmittal of the translation to the applicant.**

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter I).



The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

**2. Transmittal of the copy of the translation to the designated or elected Offices.**

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

None

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

**3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).**

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No.+41 22 740 14 35

Authorized officer

Masashi Honda

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# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 664685	<b>FOR FURTHER ACTION</b>	See item 4 below
International application No. PCT/JP2004/014252	International filing date ( <i>day/month/year</i> ) 29 September 2004 (29.09.2004)	Priority date ( <i>day/month/year</i> ) 30 September 2003 (30.09.2003)
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237		
Applicant DAI NIPPON PRINTING CO., LTD.		

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

- |                                     |              |   |
|-------------------------------------|--------------|---|
| <input checked="" type="checkbox"/> | Box No. I    | Basis of the report   |
| <input type="checkbox"/>            | Box No. II   | Priority  |
| <input type="checkbox"/>            | Box No. III  | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability  |
| <input type="checkbox"/>            | Box No. IV   | Lack of unity of invention  |
| <input checked="" type="checkbox"/> | Box No. V    | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/>            | Box No. VI   | Certain documents cited   |
| <input type="checkbox"/>            | Box No. VII  | Certain defects in the international application  |
| <input type="checkbox"/>            | Box No. VIII | Certain observations on the international application   |

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Date of issuance of this report 20 June 2006 (20.06.2006)
Facsimile No. +41 22 740 14 35	Authorized officer  <div style="text-align: center; font-weight: bold; font-size: 1.2em;">Masashi Honda</div> Telephone No. +41 22 338 70 10

# PATENT COOPERATION TREATY

TRANSLATION

From the  
INTERNATIONAL SEARCHING AUTHORITY

PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:

Date of mailing  
(day/month/year)

Applicant's or agent's file reference  
**664685**

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No. <b>PCT/JP2004/014252</b>	International filing date (day/month/year) <b>29.09.2004</b>	Priority date (day/month/year) <b>30.09.2003</b>
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International Patent Classification (IPC) or both national classification and IPC

Applicant  
**DAI NIPPON PRINTING CO., LTD.**

**1. This opinion contains indications relating to the following items:**

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

**2. FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

**3. For further details, see notes to Form PCT/ISA/220.**

Name and mailing address of the ISA/JP	Authorized officer
Facsimile No.	Telephone No.

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2004/014252

Box No. I

Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
☐ This opinion has been established on the basis of a translation from the original language into the following language  
\_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material  
☐ a sequence listing  
☐ table(s) related to the sequence listing
  - b. format of material  
☐ in written format  
☐ in computer readable form
  - c. time of filing/furnishing  
☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/JP2004/014252

**Box No. V** Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

**1. Statement**

Novelty (N)	Claims <u>1-16</u>	YES
	Claims _____	NO
Inventive step (IS)	Claims <u>9, 12-16</u>	YES
	Claims <u>1-8, 10, 11</u>	NO
Industrial applicability (IA)	Claims <u>1-16</u>	YES
	Claims _____	NO

**2. Citations and explanations:**

Document 1: JP, 11-278580, A (TDK Corporation), 12 October, 1999 (12.10.99) (Family: none)  
 Document 2: JP, 11-240676, A (Agfa Gevaert N.V.), 7 September, 1999 (07.09.99), & US, 6182921, B1, & EP, 924153, A1  
 Document 3: US, 3612424, A (Visual Graphics Co.), 12 October, 1971 (12.10.71) (Family: none)  
 Document 4: JP, 11-139486, A (TDK Corporation), 25 May, 1999 (25.05.99) (Family: none)  
 Document 5: JP, 2-296689, A (Taiyo Yuden Co., Ltd.), 7 December, 1990 (07.12.90)

**Claims 1 and 2**

Document 1 cited in the ISR describes in paragraph [0022] a packaging film for packaging a member for an electrode, the packaging film comprising: a moisture-proof layer composed of an aluminum foil; an intermediate layer and an outermost layer composed of a plastic; and an innermost layer composed of polyethylene, wherein the intermediate layer is placed on an inner side facing the member for an electrode with respect to the moisture-proof layer composed of an aluminum foil. In paragraph [0005], nylon or polyethylene terephthalate is described as a plastic material of a packaging film that has previously been used.

It is suggested in paragraph [0022] that the outermost layer and the intermediate layer are intended to make the aluminum foil hard to be broken, and therefore considering this suggestion, it would be obvious to a person skilled in the art to use nylon or PET which has been used in conventional packaging films and is known as a film having high strength for the outermost layer or the intermediate layer. At this time, stretching a nylon layer is merely a matter of design variation which could have been practiced as required by a person skilled in the art.

Since using LLD-PEF as a sealant layer is a commonly used art, forming the aforementioned innermost layer with LLD-PEF is obvious to a person skilled in the art.

**Claims 3-6**

Applying sandwiching means by the screw, the latch ring or the core cap of the invention described in document 2 or 3 cited in the ISR instead of sandwiching a flange by the "band 26" in the packaging material of the invention described in document 1 is obvious to a person skilled in the art.

**Claims 7, 8, 10 and 11**

Applying the case main body and the lid body of document 5 cited in the ISR in the packaging material of document 4 cited in the ISR is obvious to a person skilled in the art.

**Claims 9 and 12-16**

The subject matters of claims 9 and 12-16 are neither described in any of the documents cited in the ISR nor obvious to a person skilled in the art.